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## REPORT OF THE PROFESSOR OF INVERTEBRATE PALEONTOLOGY.

The Professor of Invertebrate Paleontology respectfully reports that owing to the unfortunate circumstances attending the illness of the late Chairman of the Committee on Instruction, and the failure to have the course of lectures outlined ratified in time for the spring season, he has been obliged to forego the delivery of the regular course of instruction in his department this year. An attempt to have these lectures delivered in the autumn months was frustrated by the unusual amount of work which had fallen into his hands.

The geological and paleontological collections of the Academy are steadily receiving important accessions of material, but, as in all other departments of the institution, they suffer largely from lack of room for their proper disposition and arrangement. A further systematic display without stacking is no longer possible; indeed, the foreign collections have long since been dispossessed of their proper space to make room for the rapidly increasing collections illustrating American geology. The growth during the last few years has been most rapid in the field of tertiary paleontology, where the Academy's collections stand unrivalled. This is also true of the representation of the cretaceous series, but as regards paleozoic paleontology the Academy has always been sadly deficient. The extensive collections of the Pennsylvania Geological Survey, which are now in the custody of the Academy, and to the exhibition of which ample space will be given in the proposed new building, will make good this deficiency, and place the entire collection in a condition of unusual completeness. The cataloguing and numbering of the Survey's collection was completed during the year by officers of the Survey.

Among the more important accessions to the Academy's collections during the year may be instanced the extensive series of tertiary fossils transmitted to the undersigned by the State Geologists of Texas, representing the collections recently made by the Survey of that State. These have not yet been thoroughly worked over. They represent much the largest series of tertiary fossils that has been thus far obtained from the State, and throw important light upon the geology of the Gulf basin. A report will accompany their final study. Another important addition to the collections made during the year is a series of fossiliferous and highly metamorphosed rocks from the Calciferous (?) horizon of the region about Philadelphia, the first

fossil-bearing rocks which have been obtained from this horizon in that portion of the State. The greater part of this important donation the Academy owes to the generosity of Mr. Louis Woolman.

Respectfully submitted,

ANGELO HEILPRIN,

*Professor of Invertebrate Paleontology.*

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#### REPORT OF THE PROFESSOR OF ETHNOLOGY AND ARCHÆOLOGY.

Owing to my absence in the late winter and spring of the current year, the usual course of lectures was omitted, compensation for which will be made by an unusually full course planned for the present season.

No important additions have been received in the collections of these departments, though it would be easy to acquire large accessions were proper space for their display available. This we may expect at an early date in the new building.

Respectfully submitted,

D. G. BRINTON,

*Professor of Ethnology and Archæology.*

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#### REPORT OF THE PROFESSOR OF INVERTEBRATE ZOOLOGY.

The Professor of Invertebrate Zoology respectfully reports that, having a leave of absence, he spent the winter of 1888-1889 on the Islands of the Lesser Antilles, for the purpose of making collections. Some specimens have been already given to the Academy and he hopes soon to have them all ready for presentation. Owing to his absence from Philadelphia he was unable to deliver any lectures during the past year.

It is proposed to give a course of five lectures during the spring of the coming year on "The Caribbean Islands."

The additions to the museum for the year have been quite important. In addition to specimens of general interest, Mr. W. N. Lockington has presented a collection of starfishes, echinoderms, crustacea